

ABSTRACT

A device authentication system enables secure and reliable authentication of a device outside of a secure area. In the system, a memory device authenticates a cellular phone. Furthermore, the memory device holds a key in a secure area of the memory, the cellular phone holds a serial number and generates a key from the serial number and identification information provided from a user. The memory device makes a decision on conformity between the key held in the secure area of the memory and the key generated in the cellular phone to authenticate the cellular phone. In the authentication processing, it is possible to limit the use of data stored in the memory device only to specific cellular phones.